RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/767,200_

Source: _____

Date Processed by STIC: _____

ENTERED

RAW SEQUENCE LISTING   DATE: 10/19/2004
PATENT APPLICATION: US/10/767,200   TIME: 10:52:44

Input Set : **N:\Crf3\RULE60\10767200.raw.txt**
Output Set: **N:\CRF4\10192004\J767200.raw**

SEQUENCE LISTING

```
  3  (1) GENERAL INFORMATION:
  5      (i) APPLICANT: MOLINARI, Antonio
  6                     GERNA, Marco
  7                     GIORGETTI, Carla
  8                     LANSEN, Jacqueline
  9                     RONCUCCI, Romeo
 11     (ii) TITLE OF INVENTION: ANTI-HIRUDIN POLYCLONAL ANTIBODIES AND
 12                              THEIR USE FOR THE IDENTIFICATION, IMMUNOPURIFICATION AND
 13                              QUANTITATIVE DETERMINATION OF HIRUDIN
 15    (iii) NUMBER OF SEQUENCES: 5
 17     (iv) CORRESPONDENCE ADDRESS:
 18          (A) ADDRESSEE: Nikaido, Marmelstein, Murray & Oram
 19          (B) STREET: 655 Fifteenth St. N.W., Suite 330
 20          (C) CITY: Washington
 21          (D) STATE: D.C.
 22          (E) COUNTRY: United States of America
 23          (F) ZIP: 20005-5701
 25      (v) COMPUTER READABLE FORM:
 26          (A) MEDIUM TYPE: Floppy disk
 27          (B) COMPUTER: IBM PC compatible
 28          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 29          (D) SOFTWARE: Wordperfect 5.1
 31     (vi) CURRENT APPLICATION DATA:
C--> 32          (A) APPLICATION NUMBER: US/10/767,200
C--> 33          (B) FILING DATE: 30-Jan-2004
 34          (C) CLASSIFICATION: 436
 36    (vii) PRIOR APPLICATION DATA:
W--> 37          (A) APPLICATION NUMBER: US/08/603,182
 38          (B) FILING DATE: 1996-FEB-20
W--> 39          (A) APPLICATION NUMBER: US/08/205,764
 40          (B) FILING DATE:
W--> 41          (A) APPLICATION NUMBER: US/07/903,797
 42          (B) FILING DATE:
W--> 43          (A) APPLICATION NUMBER: IT MI91A001767
 44          (B) FILING DATE: 27-JUN-1991
 46   (viii) ATTORNEY/AGENT INFORMATION:
 47          (A) NAME: Monica F. Chin
 48          (B) REGISTRATION NUMBER: 36,105
 49          (C) REFERENCE/DOCKET NUMBER: 1615-2001
 51     (ix) TELECOMMUNICATION INFORMATION:
 52          (A) TELEPHONE: 202-638-5000
 53          (B) TELEFAX: 202-638-4810
```

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              RAW SEQUENCE LISTING            DATE: 10/19/2004
              PATENT APPLICATION:  US/10/767,200      TIME: 10:52:44

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              Output Set: N:\CRF4\10192004\J767200.raw
```

```
 59 (2)  INFORMATION FOR SEQ ID NO: 1:
 61         (i) SEQUENCE CHARACTERISTICS:
 62             (A) LENGTH: 65 amino acids
 63             (B) TYPE: amino acid
 64             (D) TOPOLOGY: linear
 66        (ii) MOLECULE TYPE: peptide
 68        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 70        Val Val Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu Cys
 71        1               5                   10                  15
 73        Glu Gly Ser Asn Val Cys Gly Gln Gly Asn Lys Cys Ile Leu Gly Ser
 74                        20                  25                  30
 76        Asp Gly Glu Lys Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Lys Pro
 77                    35                  40                  45
 79        Gln Ser His Asn Asp Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu
 80            50                  55                  60
 82        Gln
 83        65
 85 (2)  INFORMATION FOR SEQ ID NO: 2:
 87         (i) SEQUENCE CHARACTERISTICS:
 88             (A) LENGTH: 65 amino acids
 89             (B) TYPE: amino acid
 90             (D) TOPOLOGY: linear
 92        (ii) MOLECULE TYPE: peptide
 94        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 96        Ile Thr Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu Cys
 97        1               5                   10                  15
 99        Glu Gly Ser Asn Val Cys Gly Lys Gly Asn Lys Cys Ile Leu Gly Ser
100                        20                  25                  30
102        Asn Gly Lys Gly Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Asn Pro
103                    35                  40                  45
105        Glu Ser His Asn Asn Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu
106            50                  55                  60
108        Gln
109        65
111 (2)  INFORMATION FOR SEQ ID NO: 3:
113         (i) SEQUENCE CHARACTERISTICS:
114             (A) LENGTH: 65 amino acids
115             (B) TYPE: amino acid
116             (D) TOPOLOGY: linear
118        (ii) MOLECULE TYPE: peptide
121        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
123        Val Val Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu Cys
124        1               5                   10                  15
126        Glu Gly Ser Asn Val Cys Gly Gln Gly Asn Lys Cys Ile Leu Gly Ser
127                        20                  25                  30
129        Gln Gly Lys Asp Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Lys Pro
130                    35                  40                  45
132        Gln Ser His Asn Gln Gly Asp Phe Glu Pro Ile Pro Glu Asp Ala Asp
133            50                  55                  60
```

```
135      Glu
136      65
138 (2) INFORMATION FOR SEQ ID NO: 4:
139      (i) SEQUENCE CHARACTERISTICS:
140          (A) LENGTH: 64 amino acids
141          (B) TYPE: amino acid
142          (C) STRANDEDNESS: single
143          (D) TOPOLOGY: linear
145     (ii) MOLECULE TYPE: peptide
147     (vi) ORIGINAL SOURCE:
148          (A) ORGANISM: Hirudunaria manillensis
150     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
152     Val Ser Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Tyr Cys Leu Cys
153     1               5                  10                  15
155     Val Gly Gly Asn Leu Cys Gly Gly Gly Lys His Cys Glu Met Asp Gly
156                 20                  25                  30
158     Ser Gly Asn Lys Cys Val Asp Gly Glu Gly Thr Pro Lys Pro Lys Ser
159             35                  40                  45
161     Gln Thr Glu Gly Asp Phe Glu Glu Ile Pro Asp Glu Asp Ile Leu Asn
162         50                  55                  60
164 (2) INFORMATION FOR SEQ ID NO: 5:
165      (i) SEQUENCE CHARACTERISTICS:
166          (A) LENGTH: 64 amino acids
167          (B) TYPE: amino acid
168          (C) STRANDEDNESS: single
169          (D) TOPOLOGY: linear
171     (ii) MOLECULE TYPE: peptide
173     (vi) ORIGINAL SOURCE:
174          (A) ORGANISM: Hirudunaria manillensis
176     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
178     Val Ser Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Tyr Cys Leu Cys
179     1               5                  10                  15
181     Val Gly Ser Asn Val Cys Gly Glu Gly Lys Asn Cys Gln Leu Ser Ser
182                 20                  25                  30
184     Ser Gly Asn Gln Cys Val His Gly Glu Gly Thr Pro Lys Pro Lys Ser
185             35                  40                  45
187     Gln Thr Glu Gly Asp Phe Glu Glu Ile Pro Asp Glu Asp Ile Leu Asn
188         50                  55                  60
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/19/2004
PATENT APPLICATION: **US/10/767,200**   TIME: 10:52:45

Input Set : **N:\Crf3\RULE60\10767200.raw.txt**
Output Set: **N:\CRF4\10192004\J767200.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 85
Seq#:2; Line(s) 111
Seq#:3; Line(s) 138
Seq#:4; Line(s) 164

VERIFICATION SUMMARY   DATE: 10/19/2004
PATENT APPLICATION: US/10/767,200   TIME: 10:52:45

Input Set : N:\Crf3\RULE60\10767200.raw.txt
Output Set: N:\CRF4\10192004\J767200.raw

L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:39 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)
L:41 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)
L:43 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)